

WHAT IS CLAIMED IS:

1. A multilayer piezoelectric actuator device comprising:  
a multilayer structure including a plurality of piezoelectric elements and a plurality of internal electrodes, said piezoelectric elements and said internal electrodes being stacked in a stacking direction so that each of said internal electrodes is placed between adjacent ones of said <sup>piezoelectric elements</sup> ~~internal electrodes~~; <sup>respective</sup>  
a pair of external electrodes disposed on <sup>each of</sup> ~~a side surface~~ of said multilayer structure, <sup>respective</sup> ~~said external electrodes~~ being connected to <sup>alternate</sup> ~~adjacent~~ ones of said internal electrodes, ~~respectively~~; and  
a pair of conductive members connected to said external electrodes, respectively, each of said conductive member <sup>being spaced apart</sup> ~~being spaced from~~ and faced to <sup>respective</sup> ~~said side surface~~ of the multilayer structure. <sup>including a free end portion that is</sup>
2. The multilayer piezoelectric actuator device according to claim 1, wherein each of said conductive members is made of a metal foil.
3. The multilayer piezoelectric actuator device according to claim 1, wherein said side surface <sup>of the multilayer structure</sup> ~~has a pair of side surface~~ portions opposite to each other in a direction perpendicular to said stacking direction, <sup>and</sup> ~~said external electrodes~~ <sup>are</sup> ~~being~~ fixed to said side surface portions, respectively.
4. The multilayer piezoelectric actuator device according to claim 3, wherein said internal electrodes are alternately exposed <sup>at</sup> ~~on~~ said side surface portions and connected to said external electrodes, respectively.
5. The multilayer piezoelectric actuator device according to claim 1, wherein said conductive member <sup>has</sup> ~~has a function of~~ <sup>as</sup> ~~a~~ heat sink which promotes heat radiation. <sup>are adapted to</sup>

6. A multilayer piezoelectric actuator device comprising:

a multilayer structure including a plurality of piezoelectric elements and a plurality of internal electrodes, said piezoelectric elements and said internal electrodes being stacked in a stacking direction so that each of said internal electrodes is placed between adjacent ones of said <sup>piezoelectric elements</sup> ~~internal electrodes~~;

a pair of external electrodes disposed on <sup>each of</sup> ~~a~~ side surface of said multilayer structure, <sup>respective</sup> ~~said~~ external electrodes being connected to <sup>respective</sup> ~~adjacent~~ ones of said internal electrodes, <sup>including a free end portion that is</sup> ~~respectively~~; and

a pair of conductive members connected to said external electrodes, respectively, each of said conductive member <sup>being</sup> ~~is~~ spaced from and faced to said <sup>respective</sup> ~~side~~ surface of the multilayer structure; <sup>wherein</sup> ~~said~~ side surface of the multilayer structure <sup>have respective</sup> ~~having a pair of~~ side surface portions opposite to each other in a direction perpendicular to said stacking direction, <sup>and</sup> ~~said~~ external electrodes <sup>are</sup> ~~being~~ fixed to said side surface portions, <sup>wherein</sup> ~~respectively~~; <sup>are</sup> ~~said~~ internal electrodes <sup>being</sup> ~~are~~ alternately exposed <sup>at</sup> ~~on~~ said side surface portions and connected to said external electrodes, <sup>and wherein</sup> ~~respectively~~; each of said internal electrodes <sup>has a first</sup> ~~having an~~ end face which is substantially flush with one of said side surface portions and <sup>is</sup> ~~is~~ <sup>and a second end face which</sup> ~~retracted from another~~ of said side surface portions.

7. A multilayer piezoelectric actuator device comprising:

a multilayer structure including a plurality of piezoelectric elements and a plurality of internal electrodes, said piezoelectric elements and said internal electrodes being stacked in a stacking direction so that each of said internal electrodes is placed between adjacent ones of said <sup>Piezoelectric elements</sup> ~~internal electrodes~~;

a pair of external electrodes disposed on <sup>each of</sup> ~~a~~ side surface of said multilayer structure, <sup>respective</sup> ~~said~~ external electrodes being connected to <sup>respective</sup> ~~adjacent~~ ones of said internal electrodes, ~~respectively~~; and

a pair of conductive members connected to said external electrodes, respectively, each of said conductive member <sup>being</sup> ~~is~~ spaced from and faced to <sup>including a free end portion that is</sup>

respective  
 said side surface<sup>S</sup> of the multilayer structure; said side surface<sup>S</sup> of the multilayer  
 structure ~~having a pair of~~ <sup>have respective</sup> side surface portions opposite to each other in a  
 direction perpendicular to said stacking direction, <sup>and</sup> said external electrodes <sup>are</sup> ~~being~~  
 fixed to said side surface portions, respectively, <sup>wherein</sup> said internal electrodes <sup>are</sup> ~~being~~  
 alternately exposed <sup>at</sup> on said side surface portions and connected to said  
 external electrodes, respectively, <sup>and wherein</sup> each of said internal electrodes <sup>has</sup> ~~having an~~ end  
 face<sup>S</sup> which <sup>are</sup> ~~is~~ substantially flush with said side surface portions, and covered with  
 an insulator ~~only~~ at one of said side surface portions.

, respectively

one of  
 said end faces  
 of each of  
 said internal  
 electrodes is